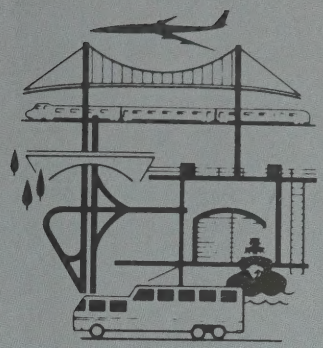
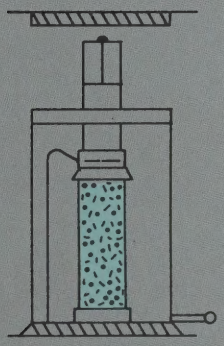
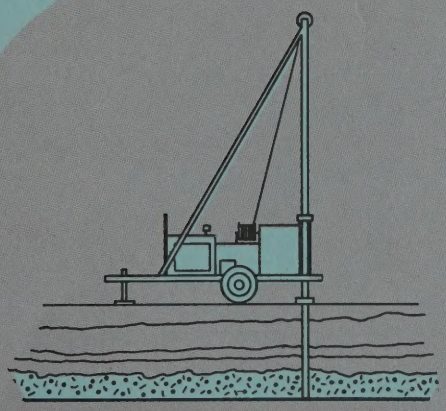
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

SOIL MECHANICS BUREAU







DRILL TOOL CATALOG
(Metric Version)
November 21, 1994

SM 238b (1/73)

INSTRUCTIONS FOR USE OF DRILLING EQUIPMENT CATALOG

The drill tool requests (SM 451 - 5/81) are to be used by the driller to communicate a need for equipment. The driller must familiarize himself with the proper drill tool nomenclature in order to use the catalog properly. In order to find a particular piece of equipment, it should be found under the actual name, for example, **"ROD LIFTER"** will be found under **"LIFTER, ROD"**; **"WATER SWIVEL"** will be found under **"SWIVEL, WATER."**

1. The driller enters his name, region and date.

2. The driller picks the items needed from the catalog and enters the item number, the description, and the quantity needed.

3. If the driller cannot find the item in the catalog, he should enter the complete description and quantity.

4. If special or reoccurring problems are encountered with the tools furnished, it should be noted under "Comments on Tools Furnished".

5. The request should be submitted once every two (2) weeks along with the time sheets, by the driller to the Soils Engineer for his approval and signature.

6. The gold copy of the request should be held by the Regional Soils Office.

7. The remaining copies will be forwarded to the Soil Mechanics Bureau where the items will be furnished from stock or ordered from a vendor. This will be indicated on the request, and the white copy will be returned to the driller, along with any reply on the driller's comments under "Office Use Reply."

8. The comment section may be used to request assistance on any drilling problem as well as tool problems.

9. This catalog may be updated to include items not listed approximately every twelve (12) months.

10. All catalog items are to be ordered by the driller unless otherwise indicated.

    a). A single asterisk (*) indicates items to be ordered by the Soils Office.

    b). A double asterisk (**) indicates the item is to be ordered by the Soils Office and returned to the Main Office upon completion of the job.

    c). A triple asterisk (***) indicates items to be ordered by the individual for personal use such as boots, hats, etc. (include size and color if applicable).

NYSDOT
Library
50 Wolf Road, POD 34
Albany, New York 12232

Metric Conversion Charts

Meters	To	Feet
0.2		0.66
0.4		1.31
0.6		1.97
0.8		2.62
1		**3.28**
2		6.56
3		9.84
4		13.12
5		16.40
6		19.68
7		22.97
8		26.25
9		29.53
10		**32.81**
11		36.09
12		39.37
13		42.65
14		45.93
15		49.21
16		52.49
17		55.77
18		59.05
19		62.34
20		**65.62**

Inches	To	mm
1		25.4
2		50.8
3		76.2
4		101.6
5		127.0
6		152.4
7		177.8
8		203.2
9		228.6
10		254.0
11		279.4
12		304.8
13		330.2
14		355.6
15		381.0
16		406.4
17		431.8
18		457.2

mm	To	Inches
1		0.04
10		0.39
20		0.8
150		6
300		12
450		18

Feet	To	Meters
1		**0.30**
2		0.61
3		0.91
4		1.22
5		1.52
6		1.83
7		2.13
8		2.44
9		2.74
10		**3.05**
11		3.35
12		3.66
13		3.96
14		4.27
15		4.57
16		4.88
17		5.18
18		5.49
19		5.79
20		**6.10**
21		6.40
22		6.71
23		7.01
24		7.32
25		7.62
26		7.92
27		8.23
28		8.53
29		8.84
30		**9.14**
31		9.45
32		9.75
33		10.06
34		10.36
35		10.67
36		10.97
37		11.28
38		11.58
39		11.89
40		**12.19**
41		12.50
42		12.80
43		13.11
44		13.41
45		13.72
46		14.02
47		14.33
48		14.63
49		14.94
50		**15.24**

Common Conversion Factors

UNIT	MEASURES...	MULTIPLY BY:	TO GET:
m	*length*	***3.28***	feet
mm	*length*	***0.04***	inches
kPa	*pressure*	***0.145***	p.s.i.
kg	*weight*	***2.21***	pounds
L	*volume*	***0.264***	gallons

Common Equivilancies

Metric	English
150 mm	6 in
300 mm	12 in
450 mm	18 in
600 mm	24 in
760 mm	30 in
1.5 m	5 ft
136.3 kg	300 lb
63.6 kg	140 lb

SUBSURFACE EXPLORATION SECTION
DRILL TOOL CATALOG

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
10	$ 75.00	ADAPTOR,HEAD(108 MM EXP. FOR THIN WALL BIT)	{4 1/4"}
20	$ 85.00	ADAPTOR,HEAD(158.8 MM EXP.FOR THIN WALL BIT)	{6-1/4"}
30	$ .75	ADAPTORS,(25.4 MM PVC STAB TO 25.4 MM PIPE FEMALE)	{1"}
35	$ .76	ADAPTORS,(25.4 MM PVC STAB TO 25.4 MM MALE PIPE)	{1"}
37	$ 2.00	ADAPTORS,(75 MM PVC-DWV-75 MM PIPE)	{3"}
40	$ 39.00	AUGER,IWAN 150 MM	{6"}
50	$ 35.00	AUGER,IWAN 100 MM	{4"}
55	$ 40.00	AUGER,IWAN 75MM	{3"}
60	$ 15.00	AUGER,IWAN 50MM	{2"}
65	$ 45.00	AUGER,DISK 100 MM	{4"}
70	$ 111.00	AUGER,JET 92 MM	{3-5/8"}
80	$ 480.00	AUGER,JET (92 MM WITH CALYX)	{3-5/8"}
90	$ 95.00	AUGER,JET (79 MM)	{3-1/8"}
100	$ 10.05	AXES,SINGLE BIT	
105	$ 111.20	BAR, 41 MM HEX,AUGER EXT.	{1-5/8"}
110	$ 84.00	BAR, JAR (63.5 MM DOUBLE EXTRA HEAVY)	{2-1/2"}
120	$ 3.22	BAR, PINCH (600 MM)	{24"}
125	$ 40.00	BAR, POLE(2 M)	{6'}
130	$ 48.69	BAR, POLE (2.4 M)	{8'}
140	$ 120.00	BARREL,CORE ("AWX"S.T. 0.61 M/AW ROD CONN)	{2'}
150	$ 135.00	BARREL,CORE ("AWX"S.T. 1.52 M/AW ROD CONN)	{5'}
155	$ 615.00	BARREL,CORE(AW 34 D.T. 1.52 M/AW ROD CONN)	{5'}
160	$ 236.00	BARREL,CORE ("AWX"D.T. 1.52 M/AW ROD CONN)	{5'}
170	$ 280.00	BARREL,CORE ("AWM"D.T. 1.52 M/AW ROD CONN)	{5'}

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
180	$ 194.00	BARREL,CORE ("BWX"S.T. 0.61 M/BW ROD CONN)	{2'}
190	$ 185.00	BARREL,CORE ("BWX"S.T. 1.52 M/BW ROD CONN)	{5'}
200	$ 331.50	BARREL,CORE ("BWX"D.T. 1.52 M/BW ROD CONN)	{5'}
210	$ 344.50	BARREL,CORE ("BWM"D.T. 1.52 M/BW ROD CONN)	{5'}
220	$ 180.00	BARREL,CORE ("NWX"S.T. 0.61 M/NW ROD CONN)	{2'}
230	$ 195.00	BARREL,CORE ("NWX"S.T. 1.52 M/NW ROD CONN)	{5'}
235	$ 205.00	BARREL,CORE ("NWX" D.T. 50 MM/"NW" ROD CONN)	{2"}
240	$ 350.00	BARREL,CORE ("NWX"D.T. 1.52 M/"NW" ROD CONN)	{5'}
241	$ 550.00	BARREL,CORE ("NWX"D.T. 3.05 M/"NW" ROD CONN)	{10'}
245	$ 450.00	BARREL,CORE(NX-SC D.T.1.52 M/"NW" ROD CONN)	{5'}
247	$ 250.00	BARREL,CORE ("NWM"D.T. 0.61 M/"NW" ROD CONN)	{2'}
250	$ 475.00	BARREL,CORE ("NWM"D.T. 1.52 M/"NW" ROD CONN)	{5'}
255	$ 975.00	BARREL,CORE (NXD4 1.52 M CHRISTENSEN /"NW" ROD CONN	{5'}
257	$ 928.55	BARREL,CORE("NQ" 50 MM WIRELINE LONGYEAR D.T.5)	{2"}
258	$ 1008.30	BARREL,CORE("NQ" 50 MM WIRELINE 3.05 M)	{2",10'}
260	$ 350.00	BARREL,CORE ("HWX"S.T. 1.52 M/NW ROD CONN)	{5'}
270	$ 95.00	BARREL,MAIN (25.4 MM R.P.S.)	{1"}
290	$ 25.00	BEARING,"AWX"/"AWM" CORE BARREL (SET)	
300	$ 30.00	BEARING,"NWX"/"NWM" CORE BARREL (SET)	
320	$ 9.00	BENTONITE,(QUICK-GEL-VOLCLAY-PWD/GRAN) 23 KG. BAG	{50LB}
330	$ 47.25	BINDER,(9.5 MM CHAIN)	{3/8"}
340	$ 76.00	BIT,CASING SHOE "BW"(PYRAMID TYPE)	
360	$ 144.40	BIT,CASING SHOE "NX"(PYRAMID TYPE)	
364	$ 100.00	BIT,CASING SHOE "NW"(CRACKER JACK)	

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
365	$ 145.00	BIT,CASING SHOE "NW"(PYRAMID TYPE)	
370	$ 210.00	BIT,CASING SHOE "HW"(PYRAMID TYPE)	
375	$ 225.00	BIT,CASING SHOE "HW"(CARBIDE SAWTOOTH)	
380	$ 80.00	BIT,CHOPPING("AW" CONN-54 MM WIDTH)	{2-1/8"}
384	$ 90.00	BIT,CROSS CHOPPING("AW"CONN-44.5 MM WIDTH)	{1-3/4"}
385	$ 80.00	BIT,CHOPPING("AW"CONN,54 MM WIDTH)	{2-1/8"}
390	$ 185.00	BIT,CHOPPING("NW" CONN-82.6 MM WIDTH)	{3-1/4"}
400	$ 60.00	BIT,DRAG 57 MM (QUARRY BIT)	{2-1/4"}
410	$ 79.00	BIT,DRAG 88.9 MM (QUARRY BIT)	{3-1/2"}
420	$ 115.00	BIT,"AX/AWG" CARBIDE INSERT (PYRAMID CORING)	
430	$ 145.00	BIT,"AXM" CARBIDE INSERT(PYRAMID CORING)	
440	$ 121.00	BIT,"BX" CARBIDE INSERT(PYRAMID CORING)	
450	$ 95.00	BIT,"BXM" CARBIDE INSERT(PYRAMID CORING)	
460	$ 133.00	BIT,"NX" CARBIDE INSERT(PYRAMID CORING)	
470	$ 105.00	BIT,"NXM" CARBIDE INSERT(PYRAMID CORING)	
480	$ 178.00	BIT,"HX" CARBIDE INSERT(PYRAMID CORING)	
490	$ 200.00	BIT,108 MM (THIN WALL)	{4-1/4"}
500	$ 265.00	BIT,159 MM (THIN WALL)	{6-1/4"}
505	$ 165.00	BIT,ROLLER 75 MM	{2-15/16"}
510	$ 190.00	BIT,ROLLER 83 MM ("NW" CONN)	{3-1/4"}
520	$ 175.00	BIT,ROLLER 90 MM (60.3 MM API CONN)	{3-1/2",2-3/8"}
530	$ 162.40	BIT,ROLLER 95 MM (60.3 MM API CONN)	{3-3/4",2-3/8"}
540	$ 205.00	BIT,ROLLER 114 MM (60.3 MM API CONN)	{4-1/2",2-3/8"}
550	$ 231.00	BIT,ROLLER 143 MM (88.9 MM API CONN)	{5-5/8",3-1/2"}

DRILL TOOL CATALOG

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
560	$ 55.00	BIT,SAWTOOTH("AX")	
570	$ 64.00	BIT,SAWTOOTH("NX")	
575	$ 4.80	BLADES,(CUTTER FOR CME)	
580	$ 10.00	BLADES,(CUTTER FOR MOBILE-EA.)	
590	$ .65	BLADES,HACKSAW 305 MM (18,24,32 TEETH PER-25 MM)	{12"}
600	$ 65.00	BLADES(HAWTHORNE MP200)	
610	$ 5.00	BLADES(HAWTHORNE-MP400)	
620	$ 35.00	BLOCK,ROPE (SNATCH 150 MM)	{6"}
622	$ 136.98	BLOCK,ROPE (SNATCH 200 MM)	{8"}
625	$ 89.00	BLOCK,(SET 3X2 HOISTING)	
628	$ 2.70	BOLTS (FOR CME AUGERS)	
630	$ 2.00	BOLTS,(FOR MOBILE CUTTER BLADES-EA.)	
640	$ 15.00	BOLTS,EYE(ACKER HAMMER 136.2 KG)	{300 LB}
650	$ 15.00	BOLTS,EYE(S&H HAMMER 136.2 KG)	{300 LB}
660	$ 18.57	***BOOTS,(HIP) SIZE 6	
661	$ 18.57	***BOOTS,(HIP) SIZE 7	
662	$ 18.57	***BOOTS,(HIP) SIZE 8	
663	$ 18.57	***BOOTS,(HIP) SIZE 9	
664	$ 18.57	***BOOTS,(HIP) SIZE 10	
665	$ 18.57	***BOOTS,(HIP) SIZE 11	
666	$ 18.57	***BOOTS,(HIP) SIZE 12	
667	$ 18.57	***BOOTS,(HIP) SIZE 13	
668	$ 18.57	***BOOTS,(HIP) SIZE 14	
670	$ 9.04	***BOOTS,(KNEE HIGH) SIZE 6	

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
671	$ 9.25	***BOOTS,(KNEE HIGH) SIZE 7	
672	$ 9.25	***BOOTS,(KNEE HIGH) SIZE 8	
673	$ 9.25	***BOOTS,(KNEE HIGH) SIZE 9	
674	$ 9.25	***BOOTS,(KNEE HIGH) SIZE 10	
675	$ 9.25	***BOOTS,(KNEE HIGH) SIZE 11	
676	$ 9.25	***BOOTS,(KNEE HIGH) SIZE 12	
677	$ 9.25	***BOOTS,(KNEE HIGH) SIZE 13	
678	$ 9.25	***BOOTS,(KNEE HIGH) SIZE 14	
680	$ 98.00	BOULDERBUSTER,(57 MM)	{2-1/4"}
690	$ 156.25	BOULDERBUSTER,(88.9 MM)	{3-1/2"}
710	$ 30.00	BOWL,LOCKING MP-400(NW)	
720	$ 38.19	BOX,(TOOL 0.61 M)	{24"}
730	$ 2.04	BRUSHES,(WIRE)	
750	$ 30.00	CABLES,JUMPER	
760	$ 15.38	CANS,(GAS-20 L JUST RITE SAFETY)	{5 GALLON}
765	$ 3.19	CANS,OIL (PUSHBOTTOM OILERS 0.5 L)	{1 PT}
775	$ 134.25	CAPS,DRIVE(CME) 57 MM AUGER	{2-1/4"}
780	$ 1.00	CAPS,(150 MM) BRASS	{3"}
790	$ .30	CAPS,(88.9 MM LINER)	{3-1/2"}
795	$ 3.00	CAPS(SI 84.4 MM)	{3.34"}
800	$ .30	CAP,(PVC 76.2 MM PRESS TYPE)	{3"}
801	$ 1.00	CAP,PVC(25.4 MM PIPE THREAD)	{1"}
810	$ 1.00	CAPS,(88.9 MM SHELBY TUBE)	{3-1/2"}
820	$ 5.00	CARTRIDGE,(WATER PUMP GREASE)	

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
830	$ 31.00	CASE,LIFTER("AWM")	
840	$ 31.00	CASE,LIFTER("BWM")	
850	$ 20.00	CASE,LIFTER("NWM")	
855	$ 53.00	CASE LIFTER(NXD-4)	
860	$ 25.00	CASING,(25.4 MM R.P.S. 0.91 M EACH)	{1", 3'}
865	$ 42.30	CASING,"AW"(1.52 M LENGTH)	{5'}
870	$ 34.00	CASING,"BW"(0.3 M LENGTH)	{1'}
880	$ 45.00	CASING,"BW"(0.61 M LENGTH)	{2'}
890	$ 64.00	CASING,"BW"(1.52 M LENGTH)	{5'}
912	$ 46.00	CASING,"NW"(0.3 M LENGTH)	{1'}
915	$ 44.00	CASING,"NW"(0.61 M LENGTH)	{2'}
917	$ 68.00	CASING,"NW"(1.52 M LENGTH)	{5'}
920	$ 45.60	CASING,"NX"(0.61 M LENGTH)	{2'}
930	$ 76.10	CASING,"NX"(1.52 M LENGTH)	{5'}
940	$ 51.00	CASING,"HW"(0.3 M LENGTH)	{1'}
950	$ 60.00	CASING,"HW"(0.61 M LENGTH)	{2'}
960	$ 98.00	CASING,"HW"(1.52 M LENGTH-EA.)	{5'}
962	$ 75.00	** CASING,"PW"(0.61 M LENGTH)	{2'}
963	$ 123.50	** CASING,"PW"(1.52 M LENGTH)	{5'}
970	$ 10.00	CHAIN,(0.6 M CHAIN WRENCH)	{24"}
980	$ 28.44	CHAIN,LOGGING(9.5 MM- 5 M LONG W/HOOKS)	{3/8", 16'}
985	$ 4.20	CHAIN,6.4 MM (2 M LENGTH)	{1/4", 6'}
990	$ 100.00	CHAIN,TIE DOWN(DOZER ONLY)	
1001	$ 1.63	CHISEL, (6MM)	{1/4"}

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
1002	$ 2.36	CHISEL, (9MM)	{5/16"}
1003	$ 5.00	CHISEL, (13 MM)	{1/2"}
1004	$ 5.56	CHISEL, (16 MM)	{5/8"}
1005	$ 9.04	CHISEL, (19 MM)	{3/4"}
1006	$ 7.00	CHISEL, (13 MM EXTRA LONG)	{1/2"}
1007	$ 5.00	CHISEL, (19 MM EXTRA LONG)	{3/4"}
1008	$ 3.50	CHISEL, (22 MM)	{7/8"}
1009	$ 5.00	CHISEL, (25.4 MM)	{1"}
1010	$ 3.00	CLAMPS,(25.4 MM DISCHARGE HOSE BOLTED)	{1"}
1012	$ 3.00	CLAMPS,19 MM(DISCHARGE HOSE)	{3/4"}
1020	$ .49	CLAMPS,(25.4 MM PLASTIC HOSE)	{1"}
1030	$ 2.50	CLEANER, HAND (0.45 KG CANS-CREAM)	{1 LB}
1050	$ 21.50	CONE,LOCKING(STA.PIST.SAMP.)	
1060	$ 3.00	CONNECTION,(19 MM THREADED MALE SNAP ON)	{3/4"}
1070	$ 3.00	CONNECTION,(19 MM THREADED FEMALE SNAP ON)	{3/4"}
1080	$ 3.00	CONNECTION,(25.4 MM THREADED MALE SNAP ON)	{1"}
1090	$ 3.00	CONNECTION,(25.4 MM THREADED FEMALE SNAP ON)	{1"}
1100	$ 15.00	CONNECTION,(38.1 MM SUCTION MALE & FEMALE)	{1-1/2"}
1110	$ 3.00	CONNECTION,(SNAP ON 19 MM HOSE)	{3/4"}
1120	$ 2.65	CONNECTION,(SNAP ON 25.4 MM HOSE)	{1"}
1123	$ 3.82	CONNECTION,QUICK (32 MM FEMALE THREAD) "ADPTER A "	{1-1/4"}
1124	$ 8.36	CONNECTION,QUICK (32 MM FEMALE THREAD) "COUPLER D"	{1-1/4"}
1127	$ 8.38	CONNECTION,QUICK(38.1 MM STAB) "COUPLER C"	{1-1/2"}
1128	$ 8.38	CONNECTION,QUICK (38.1 MM FEMALE THREAD)"COUPLERD"	{1-1/2"}

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
1129	$ 4.88	CONNECTION,QUICK (38.1 MM MALE THREAD) "ADAPTER F"	{1-1/2"}
1131	$ 3.60	CONNECTION,QUICK (38.1 MM FEMALE THREAD) "ADAPTER A"	{1-1/2"}
1133	$ 5.72	CONNECTION,QUICK(50.8 MM MALE THREAD)"ADAPTER F"	{ 2"}
1134	$ 4.38	CONNECTION,QUICK (50.8 MM FEMALE THREAD) "ADAPTER A"	{2"}
1135	$ 9.04	CONNECTION,QUICK (50.8 MM FEMALE THREAD) "COUPLER D"	{2"}
1140	$ 45.00	CONNECTION,"NW"-MP400	
1150	$ 40.00	CONNECTOR,SPECIAL(SAMPLER ADAPTER)	
1160	$ 14.00	COUPLINGS,("AW" ROD)	
1165	$ 24.30	COUPLING,("BW" ROD)	
1170	$ 23.20	COUPLINGS,("NW" ROD)	
1180	$ 1.00	* COUPLINGS,(25.4 MM PVC)	{1"}
1185	$ 3.00	* COUPLINGS,(76.2 MM PVC-DWV)	{3"}
1190	$ 2.50	* COUPLINGS,(76.2 PVC)	{3"}
1195	$ 5.00	COUPLINGS,(SI 84.8 MM)	{3.34"}
1200	$ .55	COUPLINGS,(12.7 MM PIPE)	{1/2"}
1210	$ .99	COUPLING,(19.1 MM PIPE)	{3/4"}
1220	$ .79	COUPLING,(25.4 MM PIPE)	{1"}
1230	$ 21.00	COUPLING,(63.5 MM PIPE)	{2-1/2"}
1240	$ 36.00	COUPLINGS,(101.6 MM PIPE)	{4"}
1250	$ 15.00	COUPLINGS,(152 MM PIPE)	{6"}
1260	$ 25.00	COUPLINGS,("BX CASING)	
1270	$ 21.00	* COUPLINGS,("NX"CASING)	
1280	$ 1.99	COUPLING,REDUCED(31.8 MM X 38.1 MM)	{1-1/4"-1-1/2"}
1285	$ 6.75	CUPS, 88.9 MM LEATHER PISTON SAMPLE	{3-1/2"}

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
1290	$ 14.57	* DIGGER,(POST HOLE -LONG HANDLES)	
1300	$ 15.00	DISCONNECT,(QUICK HYD. PARKER-HANNIFIN)	
1310	$ 4.00	FILE,200 MM (3 CORNERED)	{8"}
1312	$ 6.00	FILE,200 MM (3 CORNERED-SMOOTH)	{8"}
1318	$ 3.98	FILE,200 MM (SQUARE-SMOOTH)	{8"}
1320	$ 10.00	FILE,300 MM (FLAT BASTARD)	{12"}
1344	$ 10.00	FILE,(HALF ROUND 300 MM BASTARD)	{12"}
1350	$ 8.00	FILE,300 MM (ROUND BASTARD)	{12"}
1370	$ 1.41	FLAGGING,(RED ROLLS)	
1380	$ 1.41	* FLAGGING,(YELLOW ROLLS)	
1383	$ 187.50	FLIGHTS,(57 MM HOL. 0.61 M LENGTHS)	{2-1/4", 2'}
1384	$ 238.90	FLIGHTS,(57 MM X 159 MM HOL. 1.52 M LENGTHS)	{2-1/4", 6-1/4", 5
1389	$ 200.00	FLIGHTS,(86 MM X 210 MM HOL. 0.61 M LENGTHS)	{3-3/8", 8-1/4", 2'}
1390	$ 325.00	FLIGHTS,(86 MM HOL. 1.52 M LENGTHS-MOBILE)	{3-3/8", 5'}
1400	$ 175.00	FLIGHTS,(100 MM SOL., 1.52 M LENGTHS-MOBILE)	{4", 5'}
1414	$ 42.75	FORK,AUGER 57 MM HSA	{2-1/4"}
1415	$ 6.00	FUNNEL,(JUST-RITE, POUR)-GREY ON YELLOW	
1419	$ 14.79	FUNNEL,(9.5 L CAPACITY)	{10 QT}
1430	$ 38.50	GUAGE,(MINERAL FILLED)	
1440	$ .75	GASKETS,(SUCTION HOSE 40 MM LEATHER)	{1-1/2"}
1450	$ 1.00	GASKETS,(SUCTION HOSE 40 MM NEOPRENE)	{1-1/2"}
1453	$ 1.00	GASKETS(SUCTION 50 MM NEOPREME)	{2"}
1454	$ 464.00	GIMBEL,(40 MM HEX-40 MM HEX)	{1.58",1.58"}
1455	$ 3.00	*** GLASSES,(SAFETY)	

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
1460	$ 1.99	* GLUE,(PVC-.5 L OR .25 L)	{PT OR 1/2PT.}
1470	$ 5.56	GREASE,(WATERPUMP-DARMEX)	
1480	$ 1.00	GROMMETS,(25 MM AIR HOSE FITTINGS)	{1"}
1490	$ 30.49	GUN,GREASE(LEVER HANDLE)	
1500	$ 10.00	HACKSAW,(FRAME)	
1510	$ 59.00	* HAMMER,(25 MM R.P.S.)	{1"}
1520	$ 11.25	HAMMER,(CLAW-STRAIGHT-CARPENTER)	
1524	$ 6.99	HAMMER,RUBBER	
1530	$ 7.49	HAMMER,(DRILLER-1.4 KG)	{3 LB}
1532	$ 29.20	HAMMER,POINTED(FOR C.M.E.)	
1550	$ 8.00	HAMMER,BALL PEIN(0.2 KG)	{16 OZ}
1570	$ 8.04	HAMMER,SLEDGE(3.6 KG)	{8 LB}
1575	$ 275.00	HAMMER,(64 KG)	{140 LB}
1580	$ 500.00	HAMMER,(136.2 KG)	{300 LB}
1590	$ 5.00	HANDLE,AXE SINGLE BIT	
1600	$ 5.00	HANDLE,PICK	
1610	$ 5.00	HANDLE,SLEDGE HAMMER	
1620	$ 2.00	HASP,(100 MM)	{4"}
1629	$ 198.00	HEAD,ADAPTER(C.M.E.FLIGHTS)	
1630	$ 250.00	HEAD,ADAPTOR(MOBILE FLIGHTS)	
1640	$ 112.60	HEAD,DRIVE(63.5 MM X 63.5 MM AW" ROD)	{2-1/2", 2-1/2"}
1644	$ 45.00	HEAD,SAMPLER,(51 MM SPLIT BARREL)	{2"}
1650	$ 210.00	HEAD,DRIVE(100 MM PIPE)	{4"}
1655	$ 105.00	HEAD,DRIVE(100 MM PIPE W/NW ROD BOX)	{4"}

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
1660	$ 105.25	HEAD,DRIVE("BW")	
1670	$ 139.50	HEAD,DRIVE("HW")	
1675	$ 118.50	HEAD,DRIVE("NW")	
1677	$ 210.00	** HEAD,DRIVE(PW CASING)	
1680	$ 110.00	HEAD,SHELBY (88.9 MM)	{3-1/2"}
1690	$ 421.00	HEAD CUTTER, MOBILE FLIGHT(158.8 MM X 57.1 MM)	{3-3/8", 8-1/4"}
1691	$ 198.00	HEAD,CUTTER(BULLDOG TYPE (209.6 MM X 85.7 MM)	{8-1/4", 3-3}
1700	$ 89.90	HEATER,(SPACE-SALAMANDER)	
1710	$ 15.00	*** HELMET,(SAFETY-FIBER GLASS)	
1715	$ 9.07	*** HELMET,(SAFETY-PLASTIC)	
1720	$ .40	HITCHPIN,HAIRPIN(3 MM X 65 MM)	{1/8" X 2-9/16"}
1730	$ .82	HITCHPIN,HAIRPIN(5 MM X 83 MM)	{3/16" X 3-1/4"}
1734	$ 5.67	HOLDER,CRAYON	
1735	$ 35.00	HOOK,HOISTING(CME AUGER)	
1740	$ 62.65	HOOK,ROD("AW")	
1750	$ 93.75	HOOK,ROD("NW")	
1755	$ 22.00	HOOK, SAFETY	
1760	$ .58	HOSE,(25.4 MM BRAIDED AIR -L.M.)	{1"}
1765	$ 75.50	HOSE (32 MM AIR C.M.E.) 3 M LENGTH	{1-1/4", 10'}
1770	$ 65.00	HOSE,(38 MM SUCTION 6 M LENGTHS) PLASTIC	{1-1/2", 20'}
1772	$ 59.00	HOSE, (38 MM SUCTION 6 M LENGTHS)-RUBBER	{1-1/2", 20'}
1775	$ 45.00	HOSE, 50 MM SUCTION (MOYNO PUMP)	{2"}
1780	$ 20.00	HOSE,(2.4 M FOR PROPANE TANKS)	{8'}
1785	$ 2.25	INSERT, THREADED (CME-AUGER)	

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
1790	$ 89.00	JACK,(25.4 MM R.P.S.)	{1"}
1800	$ 16.90	JACK,(3630 KG-FOR RIGS)	{4 TON}
1810	$ 8.25	JAWS,(HEEL 350 MM W/PINS)	{14"}
1820	$ 18.16	JAWS,(HOOK 350 MM)	{14"}
1830	$ 8.25	JAWS,(HEEL 450 MM W/PINS)	{18"}
1840	$ 18.16	JAWS,(HOOK 450 MM)	{18"}
1850	$ 8.25	JAWS,(HEEL 600 MM W/PINS)	{24"}
1860	$ 18.16	JAWS,(HOOK 600 MM)	{24"}
1870	$ 15.00	JAWS,(HEEL 915 MM W/PINS)	{36"}
1880	$ 8.35	JAWS,(HOOK 915 MM)	{36"}
1881	$ 10.00	JAWS, FOR RIGID PIPE VISE (3 MM - 100 MM)	{1/8", 4"}
1883	$ 63.00	JAWS,76 MM (PIPE RETRIEVER)	{3"}
1884	$ 25.00	JAWS, 63.5 MM PIPE RETRIEVER	{2-1/2"}
1885	$ 25.00	JAWS, 100 MM PIPE RETRIEVER	{4"}
1890	$ 22.80	JUGS, WATER (7.6 L)	{2 GAL}
1900	$ 8.40	KEIL,(BOX)	
1910	$ 3.19	LATCH KIT,(SAFETY HOOK)	
1920	$ 3.20	LEVEL,(CARPENTER'S 600 MM)	{24"}
1930	$ 11.00	LIFTER,CORE("AX")	
1931	$ 13.00	LIFTER,CORE AW34	
1940	$ 15.00	LIFTER,CORE("BX")	
1950	$ 160.00	LIFTER,CORE("HX")	
1960	$ 18.00	LIFTER,CORE("NX")	
1965	$ 13.00	LIFTER,CORE (AW-34)	

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
1970	$ 9.50	LIFTER,CORE("AXM")	
1980	$ 9.50	LIFTER,CORE("BXM")	
1985	$ 18.00	LIFTER,CORE(CHRISTENSEN)	
1986	$ 18.00	LIFTER,CORE NWD4	
1990	$ 20.80	LIFTER,CORE("NXM")	
2000	$ 68.00	LIFTER, ROD "AW"(CLOSED)	
2010	$ 72.00	LIFTER, ROD "AW"(OPEN)	
2020	$ 70.00	LIFTER, ROD "NW"(CLOSED)	
2030	$ 70.00	LIFTER, ROD "NW"(OPEN)	
2040	$ 3.00	*** LINERS,(SAFTY HELMET)	
2050	$ 15.00	LINERS,(SS-76 MM WITH CAPS)	{3"}
2060	$ 3.00	LOCKS,(PADLOCK KEYED ALIKE)	
2065	$ 10.00	LOCKS,OAR(PR)	
2070	$ 45.00	LUBRICANT,(6.8 KG PAIL)	{15 LB}
2075	$ 15.49	*** MUFFS, HUSH	
2080	$ 1.00	NIPPLES,CLOSE(31.8 MM)	{1-1/4"}
2082	$ 16.50	NOSE,PIPE RETRIEVER	
2083	$ 4.50	NUT,300 MM PIPE WRENCH	{12"}
2084	$ 3.00	NUT, 450 MM PIPE WRENCH	{18"}
2085	$ 31.50	NUT, 600 MM PIPE WRENCH	{24"}
2090	$ 17.84	OARS,(2 M PAIR)	{6-1/2'}
2095	$ 10.00	PACKING-SIDEFEED SWIVE LIGHT DUTY	
2105	$ 8.89	PICK	
2110	$ 10.00	PIN,(DRIFT 300 MM LONG)	{12"}

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
2115	$ 2.70	PIN,DRIVE(CME AUGER)	
2120	$ 3.53	PIPE,(13 MM, 0.91 M LONG)	{1/2", 3'}
2130	$ 4.28	PIPE,(19 MM AUGER-L.M.)	{3/4"}
2140	$ 2.10	PIPE,(25.4 MM PVC 3.05 M LENGTHS-L.M.)	{1", 10'}
2145	$ .75	PIPE PVC 76.2 MM DWV L. M.	{3"}
2150	$ .78	PIPE,(PVC 76.2 M L.M.)	{3"}
2155	$ 50.00	PIPE,SLOPE INDICATOR 76.2 MM- 3.05 M LONG	{3", 10'}
2156	$ 15.00	PIPE,SLOPE INDICATOR 76.2 MM- 1.52 M LONG	{3", 5'}
2160	$ 66.75	PIPE, 63.5 MM (1.52 M LENGTHS)	{2-1/2", 5'}
2170	$ 111.00	PIPE,100 MM (1.52 M LENGTHS)	{4", 5'}
2180	$ 88.00	** PIPE,150 MM (0.61 M LENGTHS)	{6", 2'}
2190	$ 129.00	** PIPE,150 MM (1.52 M LENGTHS)	{6",5'}
2200	$ 6.63	PLIERS,(NEEDLE NOSE)	
2210	$ 8.00	PLIERS,(SIDE CUTTER)	
2222	$ 8.00	PLIERS,(SLIP JOINT 200 MM)	{8"}
2240	$ 6.25	PLIERS,(VISE GRIP 250 MM)	{10"}
2250	$ 10.00	PLIERS,(WATER PUMP 250 MM)	{10"}
2260	$ 1.00	* PLUGS,(25.4 MM PVC THREADED)	{1"}
2263	$ 3.00	PLUGS,(76.2 MM PVC DWV THREADED)	{3"}
2265	$ 2.50	PLUGS 100 MM BRASS PIPE	{4"}
2270	$ 112.00	PLUG HOIST,("AW" CONN)	
2280	$ 20.00	* POINTS,(POIN JAR 25.4 MM DIA. X 1 M LONG)	{1",3'}
2290	$ 21.02	PROPANE GAS,(FILLUPS PER 9 KG TANK)	{20 LB}
2300	$ 4.50	PUNCH, CENTER	

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
2310	$ 4.84	PUNCH, DRIFT PIN P-3	
2312	$ 3.89	PUNCH,DRIFT PIN 9.5 MM X 4.8 MM	{3/8", 3/16"}
2315	$ 4.65	PUNCH,DRIFT PIN 11.1 MM X 5.6 MM	{7/16" X 7/32"}
2320	$ 3.75	PUNCH, DRIFT PIN P-5	
2340	$ 25.00	RETAINER,FLAP(44.5 MM)	{1-3/4"}
2350	$ 25.00	RETAINER,FLAP(50.8 MM)	{2"}
2351	$ .64	RETAINER,PLASTIC (50.8 MM)	{2"}
2353	$ 7.00	RETAINER,PLASTIC CME CUTTER HEAD (57.0 MM)	{2-1/4"}
2360	$ 31.00	RETAINER,FLAP(76.2 MM)	{3"}
2370	$ 68.00	RETAINER,FLAP(88.9 MM)	{3-1/2"}
2371	$ 6.30	RETAINER,PLASTIC (88.9 MM)	{3-1/2"}
2380	$ 18.50	RETAINER,L.A.D.(50.8 MM)	{2"}
2390	$ 150.00	RETREAVER,PIPE("AW" CONN)	
2395	$ 425.00	** RETREAVER, 57 MM AUGER	{2-1/4"}
2400	$ 1.00	RING,"O"(N&N SWIVEL)	
2401	$ 1.00	RING,"O"(HYD. SAMPLER)	
2410	$ 31.65	RING,DRIVE(63.5 MM JAR BAR)	{2-1/2"}
2415	$ 25.00	RING,DRIVE(63.5 MM MODIFIED JAR BAR)	{2-1/2"}
2420	$ 51.00	RING,ROD("AW")	
2430	$ 75.75	RING,ROD("NW")	
2440	$ 15.00	* ROD,ACTUATING(0.61 M LENGTH)	{2'}
2450	$ 17.50	* ROD,ACTUATING(0.91 M LENGTH)	{3'}
2460	$ 21.50	* ROD,ACTUATING(1.52 MM LENGTH)	{5'}
2470	$ 40.00	* ROD,ACTUATING(3.05 M LENGTH)	{10'}

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
2480	$ 50.00	* ROD,"25.4 MM" R.P.S. (0.91 M EACH)	{1", 3'}
2490	$ 33.00	ROD,"AW" (0.3 M LENGTH EACH)	{1'}
2500	$ 37.00	ROD,"AW" (0.61 M LENGTH EACH)	{2'}
2510	$ 51.00	ROD,"AW" (1.52 M LENGTH EACH)	{5'}
2520	$ 72.00	ROD,"AW" (3.05 M LENGTH EACH)	{10'}
2525	$ 118.00	ROD,"BW" (1.52 M LENGTH EACH)	{5'}
2530	$ 76.00	ROD,"NW" (0.61 M LENGTH EACH)	{2'}
2535	$ 99.65	ROD,"NW" (0.91 M LENGTH EACH)	{3'}
2540	$ 107.00	ROD,"NW" (1.52 M LENGTH EACH)	{5'}
2550	$ 127.00	ROD,"NW" (3.05 M LENGTH EACH)	{10'}
2560	$ 43.00	* ROD,PION JAR(25.4 MM DIA.X 0.91 M LONG)	{1" X 3'}
2580	$ 45.00	* ROPE,MANILA(6 MM BALE)	{1/4"}
2590	$ 56.95	* ROPE,MANILA(13 MM BALE)	{1/2"}
2600	$ 117.15	* ROPE,MANILA(19 MM BALE)	{3/4"}
2605	$ 210.00	ROPE,19 MM NYLON BALE (FOR RAFT ANCHORS-L.M.)	{3/4"}
2610	$ 183.55	* ROPE,MANILA(25.4 MM BALE)	{1"}
2630	$ 3.06	RULERS,(2 M WOOD)	{6'}
2631	$ 8.55	RULERS,METRIC(2 M)	
2660	$ 145.00	SAMPLER,(44.5 MM SOLID)	{1-3/4"}
2670	$ 112.00	SAMPLER,(50.8 MM H.D. SPLIT-WITH PLUG)	{2"}
2690	$ 112.00	SAMPLER,(50.8 MM LYNAC)	{2"}
2700	$ 120.00	SAMPLER,(50.8 MM E-Z OPEN)	{2"}
2710	$ 110.00	** SAMPLER,(50.8 MM X 1.1 M LONG SOLID BARREL)	{2"X 42"}
2720	$ 150.00	SAMPLER,(76.2 MM SPLIT)	{3"}

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
2730	$ 260.00	SAMPLER,(88.9 MM SPLIT FOR LINER)	{3-1/2"}
2740	$ 350.00	SAMPLER,(88.9 MM SOLID 0.91 M LONG)	{3-1/2", 36"}
2750	$ 165.00	* SAMPLER,(STATIONARY PISTON 76.2 MM)	{3"}
2760	$ 118.00	* SAMPLER,(STATIONARY PISTON 88.9 MM)	{3-1/2"}
2770	$ 7.83	SAW,(BOW 0.61 M)	{24"}
2780	$ 15.00	SAW,(CARPENTER)	
2790	$ 1.30	SCREW,(SHELBY HEAD)	
2802	$ 5.00	SCREWDRIVER, 100 MM BLADE	{4"}
2804	$ 5.00	SCREWDRIVER, 150 MM BLADE	{6"}
2805	$ 3.00	SCREWDRIVER,(CABINET TYPE)	
2806	$ 10.00	SCREWDRIVER, 200 MM BLADE	{8"}
2812	$ 3.00	SCREWDRIVER,PHILIPS 2PT. 25 MM SHORT	{1"}
2814	$ 1.36	SCREWDRIVER,PHILIPS 2PT. 100 MM SHORT	{4"}
2820	$ 20.00	* SHANK,(PION JAR IMPACT)	
2830	$ 25.13	SHEARS,(LOPPING)	
2840	$ 32.00	SHELL,REAMING('AWX' BLANK ST)	
2850	$ 43.00	SHELL,REAMING('BWX' BLANK ST)	
2860	$ 43.50	SHELL,REAMING('NWX' BLANK ST)	
2870	$ 63.00	SHELL,REAMING('HX' BLANK ST)	
2875	$ 90.00	SHELL,REAMING AW34	
2880	$ 40.50	SHELL,REAMING('AWX' BLANK DT)	
2890	$ 49.00	SHELL,REAMING('BWX' BLANK DT)	
2895	$ 43.50	SHELL,REAMING("NXD-3 76.2 MM)	{3"}
2900	$ 40.00	SHELL,REAMING('NWX' BLANK DT)	

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
2910	$ 43.00	SHELL,REAMING('AWM' BLANK)	
2920	$ 35.50	SHELL,REAMING('BWM' BLANK)	
2930	$ 29.00	SHELL,REAMING('NWM' BLANK)	
2935	$ 45.55	SHOE,DRIVE("AW"CASING)	
2940	$ 36.00	SHOE,DRIVE("BW"CASING)	
2955	$ 32.00	SHOE,DRIVE("NW"CASING)	
2960	$ 53.00	SHOE,DRIVE("HW"CASING)	
2963	$ 115.00	** SHOE,DRIVE("PW"CASING)	
2970	$ 24.00	SHOE,SAMPLER(44.5 MM)	{1-3/4"}
2980	$ 39.00	SHOE,SAMPLER(50.8 MM HD)	{2"}
2990	$ 30.00	SHOE,SAMPLER(50.8 MM LYNAC)	{2"}
3000	$ 18.00	SHOE,PIPE(63.5 MM)	{2-1/2"}
3010	$ 33.00	SHOE,PIPE(101.6 MM)	{4"}
3020	$ 30.00	SHOE,SAMPLER(76.2 MM)	{3"}
3030	$ 30.00	SHOE,SAMPLER(88.9 MM)	{3-1/2"}
3040	$ 10.00	SHOVEL,LONG HANDLE ROUND	POINT
3050	$ 10.00	SHOVEL,LONG HANDLE SQUARE POINT	
3060	$ 10.00	SHOVEL,SHORT HANDLE ROUND POINT	
3070	$ 10.00	SHOVEL,SHORT HANDLE SQUARE POINT	
3072	$ 70.00	SIGN STAND (ROLL-UP SIGNS)	
3073	$ 30.38	SIGN (WORKER SYMBOL)	{ROLL-UP}
3075	$ 2.60	SOCKET,3/8" , 1/2" DRIVE	
3076	$ 2.60	SOCKET,7/16", 1/2" DRIVE	
3077	$ 2.60	SOCKET,1/2" , 1/2" DRIVE	

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
3078	$ 2.60	SOCKET,9/16", 1/2" DRIVE	
3079	$ 2.60	SOCKET,5/8" , 1/2" DRIVE	
3080	$ 2.95	SOCKET,3/4" SPARK PLUG 1/2" DRIVE	
3090	$ 8.00	SOCKET,7/8" SPARK PLUG 1/2" DRIVE	
3100	$ 8.00	SOCKET,13/16" SPARK PLUG 1/2" DRIVE	
3102	$ 5.05	SOCKET 1" SPARK PLUG 1/2" DRIVE	
3104	$ 5.85	SOCKET,1-1/16"SPARK PLUG 1/2" DRIVE	
3106	$ 5.85	SOCKET,1-1/8" SPARK PLUG 1/2" DRIVE	
3108	$ 5.31	SOCKET 1-1/8' 3/4'DRIVE	
3110	$ 2.10	SPOUTS,(20 L GAS CAN)	{5 GAL}
3114	$ 1.80	SPRINGS, 450 MM PIPE WRENCH (SETS)	{18"}
3115	$ 1.90	SPRINGS, 600 MM PIPE WRENCH (SETS)	{24"}
3117	$ .90	SPRING,BASKET-RET.PLASTIC	
3120	$ 1.80	SPRINGS,(L.A.D. BASKET RETAINER)	
3130	$ 3.50	SPRINGS,LOCKING CONE	
3160	$ .50	* STAKES(25 MM X 25 MM X 1.2 M)	{1" X 1" X 48"}
3190	$ .20	STAKES,WIRE (600 M)	{2'}
3205	$ 5.00	STRAP,SAFETY (GAS CAN)	
3210	$ 46.75	SUB,("AW" ROD BOX TO 63.5 MM PIPE PIN)	{2-1/2"}
3215	$ 59.00	SUB,("AW" ROD BOX TO "A" ROD PIN)	
3220	$ 51.00	SUB,("AW" ROD BOX TO "BW" CASING PIN)	
3225	$ 40.00	SUB,("AW" ROD BOX TO "BX" CASING PIN)	
3230	$ 42.50	SUB,("AW" ROD BOX TO "BW" ROD PIN)	
3232	$ 75.00	SUB,("AW" ROD BOX TO "BW" ROD BOX)	

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
3233	$ 75.00	SUB,("AW" ROD BOX TO "NW" ROD BOX)	
3250	$ 38.25	SUB,("AW" ROD BOX TO "NW" ROD PIN)	
3260	$ 25.00	SUB,("AW" ROD BOX TO "NX" CASING PIN)	
3265	$ 70.00	SUB,("AW" ROD BOX TO "NW" CASING PIN)	
3290	$ 59.20	SUB,("AW" ROD BOX TO 100MM X 178MM THREAD PIN)	{11/4" X 7"}
3302	$ 75.00	SUB ("AW" ROD PIN TO "NW" ROD PIN)	
3310	$ 80.75	SUB,("BW" CASING BOX TO "AW" ROD PIN)	
3314	$ 65.00	SUB,("BW" CASING BOX TO "NW" CASING PIN)	
3315	$ 75.00	SUB,("BW" CASING BOX TO "NW" ROD PIN)	
3320	$ 80.75	SUB,("BW" CASING PIN TO 63.5 MM PIPE PIN)	{2-1/2"}
3325	$ 54.00	SUB ("NW" CASING BOX TO "NX" CASING BOX)	
3327	$ 56.59	SUB,("NW" CASING BOX TO "NX" CASING PIN)	
3330	$ 38.25	SUB,("NW" ROD BOX TO "AW" ROD PIN)	
3331	$ 78.00	SUB ("NW" ROD BOX TO "BW" CASING PIN)	
3340	$ 65.50	SUB,("NW" ROD BOX TO "N" ROD PIN)	
3345	$ 55.25	SUB ("NW" ROD BOX TO "NW" CASING PIN)	
3350	$ 34.00	SUB,("NW" ROD BOX TO "NX" CASING PIN)	
3360	$ 42.50	SUB,("NW" ROD BOX TO 63.5 MM PIPE PIN)	{2-1/2"}
3370	$ 72.25	SUB,("NW" ROD BOX TO "HW" CASING PIN)	
3380	$ 80.75	SUB,("NW" ROD BOX 60.3 MM A.P.I.)	{2-3/8"}
3390	$ 106.25	SUB,("NW" ROD BOX TO 88.9 MM A.P.I.)	{3-1/2"}
3400	$ 63.00	SUB,(31.8 MM X 178 MM THREAD BOX TO "AW" ROD PIN)	{1-1/4", 7"}
3405	$ 67.50	SUB,(41.3 MM HEX PIN TO NW" ROD PIN)	{1-5/8"}
3410	$ 110.50	SUB,("HW" CASING PIN TO 101.6 MM PIPE PIN)	{4"}

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
3415	$ 39.95	SUB,(BELL REDUCED)63.5 MM PIPE PIN TO 101.6 MM PIPE PIN	
3417	$ 150.00	"NW" ROD BOX TO "PW" CASING PIN	
3420	$ 450.00	SWIVEL,WATER(KING TYPE)	
3430	$ 175.00	SWIVEL,WATER(PLAIN TYPE)	
3435	$ 309.50	SWIVEL,WATER-SIDE FEED	
3439	$ 91.00	"T" 57.1 MM AUGER	{2-1/4"}
3443		'T', "CME" AUGERS	
3444	$ 82.00	"T", "NW" CASING	
3445	$ 105.00	"T", "HW" CASING	
3446	$ 6.50	"T", 63.5 MM PIPE	{2-1/2"}
3450	$ 9.65	"T",101.6 MM PIPE	{4"}
3452	$ 11.75	"T" 152.4 MM PIPE	{6"}
3455	$ 20.00	TANK,PROPANE(9 KG)	{20 LB}
3470	$ 133.70	TAP,(FISHING "AW" COUP. I.D.)	
3480	$ 132.95	TAP,(FISHING "AW" COUP. O.D.)	
3490	$ 133.70	TAP,(FISHING "AW" ROD I.D.)	
3500	$ 138.40	TAP,(FISHING "AW" ROD O.D.)	
3510	$ 78.00	TAP,(FISHING "NW" COUP. I.D.)	
3520	$ 90.00	TAP,(FISHING "NW" COUP. O.D.)	
3530	$ 169.55	TAP,(FISHING "NW" DRILL ROD I.D.)	
3540	$ 242.70	TAP,(FISHING "NW" DRILL ROD O.D.)	
3545	$ 35.15	TAP,INSERT(CME AUGER)	
3550	$ 1.05	TAPE,(FRICTION)	
3560	$ .79	TAPE,(PLASTIC)	

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
3570	$ 45.50	TARP,(PLASTIC 2.4 M X 3 M)	{8'X 10'}
3575	$ 105.00	TARP, TRUCK (4.3 M X 4.9 M)	{14' X 16'}
3580	$ 146.25	TORCH,(PROPANE COMPLETE)	
3582	$ 10.00	TORCH-TIP	
3587	$ 185.00	** TUBE,INNER,(CHRISTENSEN)	
3590	$ 86.00	TUBE,INNER("AWX" 1.52 M)	{5'}
3600	$ 95.00	TUBE,INNER("BWX" 1.52 M)	{5'}
3605	$ 279.75	** TUBE,INNER(CHRISTENSEN SPLIT)	
3610	$ 115.00	TUBE,INNER("NWX" 1.52 M)	{5'}
3620	$ 84.00	TUBE,INNER("AWM" 1.52 M)	{5'}
3630	$ 101.00	TUBE,INNER("BWM" 1.52 M)	{5'}
3640	$ 90.00	TUBE,INNER("NWM" 1.52 M)	{5'}
3650	$ 80.00	TUBE,OUTER("AWX" 1.52 M)	{5'}
3660	$ 99.00	TUBE,OUTER("BWX" 1.52 M)	{5'}
3670	$ 88.00	TUBE,OUTER("NWX" 1.52 M	{5'}
3680	$ 83.00	TUBE,OUTER("AWM" 1.52 M)	{5'}
3690	$ 104.00	TUBE,OUTER("BWM" 1.52 M)	{5'}
3700	$ 108.50	TUBE,OUTER("NWM" 1.52 M)	{5'}
3705	$ 195.00	TUBE,OUTER "NW"(D-4 CRISTENSEN)	
3710	$ 1.52	TUBE,LEXAN(FOR "Z" GUAGE L.M.)	
3715	$ 1.75	TUBE,LEXAN 38.1 MM (CME) -L.M.	{1-1/2"}
3721	$ 15.00	VALVE,CHECK(BRASS 25.4 MM)	{1"}
3730	$ 13.00	VALVE,(BALL COCK 25.4 MM)	{1"}
3735	$ 18.00	VALVE,(BALL COCK 38.1 MM)	{1-1/2"}

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
3740	$ 15.95	VALVE,DEMAND(PROPANE)	
3755	$ 17.79	VALVE,FOOT,(38.1 MM-BRASS)	{1-1/2"}
3760	$ 17.79	VALVE,FOOT,(38.1 MM-PLASTIC)	{1-1/2"}
3763	$ 37.99	VALVE,FOOT(50.8 MM BRASS	{2"}
3765	$ 70.00	VALVE,RELIEF(19.1 MM)	{3/4"}
3766	$ 7.55	** VEST, SAFETY	
3767	$ 25.00	** VEST, FLOATING	
3770	$ 100.00	VISE,(PIPE 100 MM CAPACITY)	{4"}
3780	$ 1.60	WAX,(MIXED KG)	
3785	$ 21.95	** WIPERS,RUBBER("NW"ROD)	
3790	$ 15.00	WRENCH,ALLEN(SET)	
3800	$ 2.10	WRENCH,ALLEN(1/4")	
3810	$ 22.00	WRENCH,(CHAIN 300 MM)	{12"}
3820	$ 42.09	WRENCH,(CHAIN 450 MM)	{18"}
3830	$ 40.00	WRENCH,(CHAIN 600 MM)	{24"}
3840	$ 101.48	WRENCH,(CHAIN 1M)	{36"}
3850	$ 6.25	WRENCH,(CRESCENT 150 MM)	{6"}
3860	$ 9.00	WRENCH,(CRESCENT 200 MM)	{8"}
3870	$ 12.70	WRENCH,(CRESCENT 300 MM)	{12"}
3880	$ 14.73	WRENCH,CHUCK(S&H 19.1 MM)	{3/4"}
3890	$ 8.69	WRENCH,200 MM PIPE	{8"}
3900	$ 12.80	WRENCH,350 MM PIPE	{14"}
3910	$ 19.75	WRENCH,450 MM PIPE	{18"}
3920	$ 31.50	WRENCH,600 MM PIPE	{24"}

CATALOG NUMBER	COST OF 1 ITEM	DESCRIPTION	
3930	$ 61.75	WRENCH,1 M PIPE	{36"}
3936	$ 4.75	WRENCH,OPEN END BOX COMBO(1/4")	
3937	$ 11.60	WRENCH,OPEN END BOX COMBO(5/16")	
3938	$ 5.00	WRENCH,OPEN END BOX COMBO(3/8")	
3939	$ 6.19	WRENCH,OPEN END BOX COMBO(7/16")	
3940	$ 5.40	WRENCH,OPEN END BOX COMBO(1/2")	
3950	$ 5.85	WRENCH,OPEN END BOX COMBO(9/16")	
3951	$ 7.30	WRENCH,OPEN END BOX COMBO(5/8")	
3952	$ 7.10	WRENCH,OPEN END BOX COMBO(11/16")	
3953	$ 8.65	WRENCH,OPEN BOX COMBO(3/4")	
3954	$ 9.98	WRENCH,OPEN END BOX COMBO(7/8")	
3960	$ 12.59	WRENCH,OPEN END BOX COMBO(15/16")	
3961	$ 13.10	WRENCH,OPEN END BOX(1")	
3962	$ 16.20	WRENCH,OPEN END BOX(1 1/16")	
3963	$ 18.70	WRENCH,OPEN END BOX (1-1/8")	
3964	$ 26.65	WRENCH,OPEN END BOX(1-1/4")	
3980	$ 14.35	WRENCH,RATCHET(1/2" DRIVE)	
3985	$ 37.70	WRENCH,RATCHET(3/4"DRIVE)	
3990	$ 60.57	WRENCH,SOCKET SET (1/2" DRIVE)	

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